

Curriculum Vita

Dr. Athanasios D. Sarantopoulos, Ph.D., MBA
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Dr. Athanasios D. Sarantopoulos has a robust academic and professional background in electrical engineering and climatology. He earned his PhD in Electrical Engineering from the University of Akron, complemented by an Executive MBA from the University of Indianapolis, along with both a Master of Science and Bachelor of Engineering in Electrical Engineering from Youngstown State University.

His primary expertise encompasses the analysis, simulation, and automatic control of dynamical systems. His doctoral research, funded by NASA, focused on developing transfer functions for partial differential equations, particularly in relation to propulsion systems. During his tenure as a Research Assistant at both the University of Akron and Youngstown State University, he engaged in numerous projects centered on the analysis and control of deterministic and stochastic systems.

Dr. Sarantopoulos contributed to the Expert Committee that investigated the simulation of the Space Shuttle "Challenger" main engine, analyzing factors leading to its catastrophic explosion. His career spans over two decades at the Hellenic National Meteorological Service, where he has led various research initiatives in climatology, focusing on meteorological data quality control and assessing climate change impacts on agriculture in Greece. Recently, he has studied climatic influences on the spread of Covid-19.

He played a key role in establishing Greece's Lightning Detection Network and developing quality control protocols for meteorological observations. His contributions extend to international projects like the MEditerranean climate DATA REscue (MEDARE) project and METEOALARM, which aids in managing extreme weather events across Europe.

In academia, Dr. Sarantopoulos serves as a professor in Computer Science and Mathematics at Webster University's Business and Technology Department and has previously taught at the University of Indianapolis. He holds several leadership roles, including Secretary of the Presidium at the Euro-Mediterranean Academy of Arts and Sciences and Special Secretary of the Hellenic Meteorological Society.

Dr. Sarantopoulos is also active in numerous professional organizations, including the Technical Chamber of Greece and the American Geophysical Union. Additionally, he served on the Social Control Council of ERT S.A., ensuring quality standards in public broadcasting. His diverse experience underscores his commitment to advancing engineering and climatology while serving society effectively.